	L#	Search	Text	DBs	Time Stamp	Hits
1	L1	microsoft.asn.			2006/08/01 17:33	26294
2	L2	kramer.in. and	michael.in.		2006/08/01 17:33	380
3	L3	kadyk.in. and d	onald.in.		2006/08/01 17:34	25

	L #	Search Text	DBs	Time Stamp	Hits
4	L4	fishman.in. and neil.in.		2006/08/01 17:34	48
5	L5	L2 and L3	l .	2006/08/01 17:34	10
6	L6	L5 and L4		2006/08/01 17:34	10

	L #	Search Text	DBs	Time Stamp	Hits
7	L7	L6 and L1		2006/08/01 17:34	7
8	L8	726/15.ccls.		2006/08/01 17:34	198
9	L9	716/12.ccls.		2006/08/01 17:34	1008

	L #	Search Text	DBs	Time Stamp	Hits
10	L10	726/14.ccls.		2006/08/01 17:34	252
11	L11	713/150.ccls.		2006/08/01 17:34	556
12	L12	713/152.ccls.		2006/08/01 17:35	152

	L #	Search Text	DBs	Time Stamp	Hits
13	L13	713/154.ccls.		2006/08/01 17:35	141
14	L14	713/160.ccls.		2006/08/01 17:35	295
15	L15	713/163.ccls.		2006/08/01 17:35	190

	L #	Search Text	DBs	Time Stamp	Hits
16	L16	380/255.ccls.	Į.	2006/08/01 17:35	389
17	L17	380/256.ccls.		2006/08/01 17:35	110
18	L18	380/270.ccls.		2006/08/01 17:35	679

	L #	Search Text	DBs	Time Stamp	Hits
19	L19	380/272.ccls.		2006/08/01 17:35	31
20	L20	380/274.ccls.		2006/08/01 17:35	142
21	L21	709/220.ccls.		2006/08/01 17:36	2254

	L #	Search Text	DBs	Time Stamp	Hits
22	L22	709/250.ccls.		2006/08/01 17:36	1597
23	L23	709/227.ccls.		2006/08/01 17:36	3334
24	L24	709/228.ccls.		2006/08/01 17:36	1759

	L#	Search Text	DBs	Time Stamp	Hits
25	L25	709/229.ccls.	í .	2006/08/01 17:36	3016
26	L26	"virtual private network" near "access server" near "public network"		2006/08/01 17:37	0
27	L27	"virtual private network" near "access server"		2006/08/01 17:37	5

	L #	Search Text	DBs	Time Stamp	Hits
28	L28	L27 and L8		2006/08/01 17:37	1
29	L29	L27 and "public network"	1	2006/08/01 17:37	1
30		"virtual private network or VPN" near "external client"		2006/08/01 17:38	0

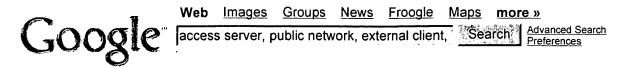
	L #	Search Text	DBs	Time Stamp	Hits
31	L31	L27 near "external client"		2006/08/01 17:38	0
32	L32	"virtual private network access server" same "public network"	1 .	2006/08/01 17:38	0
33	L33	"virtual private network access server" near "public network"		2006/08/01 17:39	0

	L #	Search Text	DBs	Time Stamp	Hits
34	L34	"virtual private network access server" and "public network"	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B	2006/08/01 17:39	0
35	L35	"virtual private network access server" and "secure socket layer"	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B	2006/08/01 17:39	0
36	L36	"virtual private network" near "secure socket layer"	US- PGPUB; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B	2006/08/01 17:39	23

	L #	Search Text	DBs	Time Stamp	Hits
37	L37	L36 and L27		2006/08/01 17:39	0
38	11 3 2	"VPN" near "access server" with "external client"	1	2006/08/01 17:40	1
39	L39	"VPN" near "access server" near "public network" with "external client"		2006/08/01 17:40	0

	L #	Search Text	DBs	Time Stamp	Hits
40	L40	"VPN" near "access server" near "public network" with "WTLS"	1	2006/08/01 17:40	0

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a specific act of the external client using a Secure Socket Layer (SSL) protocol ... wherein the server computer system comprises a Virtual Private Network ... v3.espacenet.com/textclam?IDX=EP1227634&QPN=EP1227634 - 34k -Cached - Similar pages

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X.509 certificates can provide authentication for the SSL communications. ... When Connection Manager serves as a network access server, an entry for each ... www.ibm.com/developerworks/websphere/ library/techarticles/0403 welborn/0403 welborn.html - 77k - Cached - Similar pages

Introduction to cryptography, Part 4: Cryptography on the Internet It allows secure remote access over a network. A variety of methods can be used to authenticate the client and server and to establish an encrypted ... www.ibm.com/developerworks/library/s-crypt04.html - 45k - Cached - Similar pages

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Risk Due To Wireless Networks; Auditing WLAN Security Policy; Secure Wireless Public Network Access; WLANs In Public Space; DHCP Services. Server And Client ... www.eccouncil.org/312-38.htm - 85k - Cached - Similar pages

## [PDF] AT&T Wireless IP Network Security

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Application Server. Secure connection. using SSL. Wireless IP. Network ... In the case of an external client, all communication is between the external ... www.rysavy.com/Articles/wireless\_ip\_security.pdf - Similar pages

#### Introduction to the CTE

You can then access all ports on the protected intranet server through the CTE by using the URL ... Carrier gateways usually convert WTLS and ECC to SSL; ... www.cisco.com/univercd/cc/td/doc/product/webscale/cte1400/rel\_3/admin/ch1\_ag.htm - 42k - Cached - Similar pages

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an SSL-enabled client, allows the client to authenticate it- ... www.courseilt.com/preview/0619259906cc.pdf - Similar pages

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With SSL the server and the client have more choice in the use of cryptographic ... VPN: Virtual Private Network provides access to secure information over ... www.airesurf.com/prodandserv\_whtp.html - 30k - Cached - Similar pages

# Google Groups results for access server, public network, external client, WTLS, SSL, communication "virtual private network"

Abbreviations Full Forms - migmic - Jul 25, 2006

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VERA - Verzeichnis EDV-Relevanter Akronyme [8/8] - z-netz.alt.listen - Mar 10, 2002

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1 Peer to peer networks: Tarzan: a peer-to-peer anonymizing network layer

Michael J. Freedman, Robert Morris

November 2002 Proceedings of the 9th ACM conference on Computer and communications security

Publisher: ACM Press

Full text available: pdf(242.72 KB)

Additional Information: full citation, abstract, references, citings, index terms

Tarzan is a peer-to-peer anonymous IP network overlay. Because it provides IP service, Tarzan is general-purpose and transparent to applications. Organized as a decentralized peer-to-peer overlay, Tarzan is fault-tolerant, highly scalable, and easy to manage. Tarzan achieves its anonymity with layered encryption and multi-hop routing, much like a Chaumian mix. A message initiator chooses a path of peers pseudo-randomly through a restricted topology in a way that adversaries cannot easily influenc ...

**Keywords**: IP tunnels, anonymity, cover traffic, distributed trust, mix-nets, overlay networks, peer-to-peer

2 Roaming and handoff management: MobileNAT: a new technique for mobility across



heterogeneous address spaces

Milind Buddhikot, Adiseshu Hari, Kundan Singh, Scott Miller

September 2003 Proceedings of the 1st ACM international workshop on Wireless mobile applications and services on WLAN hotspots

Publisher: ACM Press

Full text available: pdf(303.26 KB) Additional Information: full citation, abstract, references, index terms

We propose a new network layer mobility architecture called MobileNAT to efficiently support micro and macro-mobility in and across heterogeneous address spaces common in emerging public networks. The key ideas in this architecture are as follows: (1) Use of two IP addresses -- an invariant virtual IP address for host identification at the application layer and an actual routable address at the network layer that changes due to mobility. Since physical address has routing significance only withi ...

**Keywords**: MobileNAT, mobility

3

Business-to-business interactions: issues and enabling technologies

B. Medjahed, B. Benatallah, A. Bouguettaya, A. H. H. Ngu, A. K. Elmagarmid

May 2003 The VLDB Journal — The International Journal on Very Large Data Bases,

Volume 12 Issue 1

Publisher: Springer-Verlag New York, Inc.

Full text available: pdf(558.34 KB) Additional Information: full citation, abstract, citings, index terms

Business-to-Business (B2B) technologies pre-date the Web. They have existed for at least as long as the Internet. B2B applications were among the first to take advantage of advances in computer networking. The Electronic Data Interchange (EDI) business standard is an illustration of such an early adoption of the advances in computer networking. The ubiquity and the affordability of the Web has made it possible for the masses of businesses to automate their B2B interactions. However, several issu ...

Keywords: B2B Interactions, Components, E-commerce, EDI, Web services, Workflows, XML

4 Network security, filters and firewalls

Darren Bolding

September 1995 Crossroads, Volume 2 Issue 1

**Publisher: ACM Press** 

Full text available: 1 html(25.57 KB) Additional Information: full citation, index terms

5 Design of a high-performance ATM firewall

Jun Xu, Mukesh Singhal

August 1999 ACM Transactions on Information and System Security (TISSEC), Volume 2 Issue 3

Publisher: ACM Press

Full text available: 🗖 pdf(143.19 KB) Additional Information: full citation, abstract, references, index terms

A router-based packet-filtering firewall is an effective way of protecting an enterprise network from unauthorized access. However, it will not work efficiently in an ATM network because it requires the termination of end-to-end ATM connections at a packet-filtering router, which incurs huge overhead of SAR (Segmentation and Reassembly). Very few approaches to this problem have been proposed in the literature, and none is completely satisfactory. In this paper we present the hardware desig ...

Keywords: TCP/IP, asynchronous transfer mode, firewall, packet filtering, switch architecture

6 ObjectGlobe: Ubiquitous query processing on the Internet

R. Braumandl, M. Keidl, A. Kemper, D. Kossmann, A. Kreutz, S. Seltzsam, K. Stocker August 2001 The VLDB Journal — The International Journal on Very Large Data Bases, Volume 10 Issue 1

Publisher: Springer-Verlag New York, Inc.

Full text available: pdf(251.44 KB) Additional Information: full citation, abstract, citings, index terms

We present the design of ObjectGlobe, a distributed and open query processor for Internet data sources. Today, data is published on the Internet via Web servers which have, if at all, very localized query processing capabilities. The goal of the ObjectGlobe project is to establish an open marketplace in which data and query processing capabilities can be distributed and used by any kind of Internet application. Furthermore, ObjectGlobe integrates cycle providers (i.e., machi ...





**Keywords**: Cycle-, function- and data provider, Distributed guery processing, Open systems, Privacy, Quality of service, Query optimization, Security

7 Separating key management from file system security

David Mazières, Michael Kaminsky, M. Frans Kaashoek, Emmett Witchel

December 1999 ACM SIGOPS Operating Systems Review, Proceedings of the seventeenth ACM symposium on Operating systems principles SOSP

'99. Volume 33 Issue 5

**Publisher: ACM Press** 

Full text available: pdf(1.77 MB)

Additional Information: full citation, abstract, references, citings, index

No secure network file system has ever grown to span the Internet. Existing systems all lack adequate key management for security at a global scale. Given the diversity of the Internet, any particular mechanism a file system employs to manage keys will fail to support many types of use. We propose separating key management from file system security, letting the world share a single global file system no matter how individuals manage keys. We present SFS, a secure file system that avoids internal ...

The state of the art in locally distributed Web-server systems



Valeria Cardellini, Emiliano Casalicchio, Michele Colajanni, Philip S. Yu June 2002 ACM Computing Surveys (CSUR), Volume 34 Issue 2

Publisher: ACM Press

Full text available: pdf(1.41 MB)

Additional Information: full citation, abstract, references, citings, index

The overall increase in traffic on the World Wide Web is augmenting user-perceived response times from popular Web sites, especially in conjunction with special events. System platforms that do not replicate information content cannot provide the needed scalability to handle large traffic volumes and to match rapid and dramatic changes in the number of clients. The need to improve the performance of Web-based services has produced a variety of novel content delivery architectures. This article w ...

Keywords: Client/server, World Wide Web, cluster-based architectures, dispatching algorithms, distributed systems, load balancing, routing mechanisms

Fast detection of communication patterns in distributed executions

Thomas Kunz, Michiel F. H. Seuren

November 1997 Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research

Publisher: IBM Press

Full text available: pdf(4.21 MB) Additional Information: full citation, abstract, references, index terms

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

10 Client-server computing

Alok Sinha

July 1992 Communications of the ACM, Volume 35 Issue 7

**Publisher: ACM Press** 

Full text available: pdf(7.53 MB) Additional Information: full citation, references, citings, index terms, review

Keywords: client-server computing

11 A taxonomy of Data Grids for distributed data sharing, management, and processing



Srikumar Venugopal, Rajkumar Buyya, Kotagiri Ramamohanarao June 2006 ACM Computing Surveys (CSUR), Volume 38 Issue 1

**Publisher: ACM Press** 

Full text available: Ddf(1.70 MB) Additional Information: full citation, abstract, references, index terms

Data Grids have been adopted as the next generation platform by many scientific communities that need to share, access, transport, process, and manage large data collections distributed worldwide. They combine high-end computing technologies with high-performance networking and wide-area storage management techniques. In this article, we discuss the key concepts behind Data Grids and compare them with other data sharing and distribution paradigms such as content delivery networks, peer-to-peer n ...

**Keywords**: Grid computing, data-intensive applications, replica management, virtual organizations

12 The Jupiter audio/video architecture: secure multimedia in network places



Pavel Curtis, Michael Dixon, Ron Frederick, David A. Nichols

January 1995 Proceedings of the third ACM international conference on Multimedia

Publisher: ACM Press

Full text available: A htm(72.37 KB) Additional Information: full citation, references, citings, index terms

Keywords: audio, collaboration, encryption, multicast, network places, security, video

13 Wireless LAN security and laboratory designs

Yasir Zahur, T. Andrew Yang

January 2004 Journal of Computing Sciences in Colleges, Volume 19 Issue 3

Publisher: Consortium for Computing Sciences in Colleges

Full text available: Top pdf(181.24 KB) Additional Information: full citation, abstract, references, index terms

For the past couple of years, increasing number of wireless local area networks (WLANs), based on the IEEE 802.11 protocols, have been deployed in various types of locations, including homes, schools, airports, business offices, government buildings, military facilities, coffee shops, book stores, as well as many other venues. One of the primary advantages offered by WLAN is its ability to provide untethered connectivity to portable devices, such as wireless laptops and PDAs. In some remote comm ...

14 An Extensible Platform for Evaluating Security Protocols

Seny Kamara, Darren Davis, Lucas Ballard, Ryan Caudy, Fabian Monrose April 2005 Proceedings of the 38th annual Symposium on Simulation ANSS '05

Publisher: IEEE Computer Society

Full text available: pdf(246.99 KB) Additional Information: full citation, abstract, index terms

We present a discrete-event network simulator, called Simnet, designed specifically for analyzing network-security protocols. The design and implementation is focused on

simplicity of abstraction and extensibility. Moreover, its modular architecture allows operators to dynamically customize running simulations. To demonstrate its strengths we present cases studies that focus on examining security-centric problem domains. In particular, we present an analysis of worm propagation modeling for worm ...

15 Educational environments: Maximising student exposure to networking using



FreeBSD virtual hosts Grenville Armitage

July 2003 ACM SIGCOMM Computer Communication Review, Volume 33 Issue 3

Publisher: ACM Press

Full text available: pdf(171.58 KB) Additional Information: full citation, abstract, references

A Remote Unix Lab Environment (RULE) is being developed that allows student access to networked hosts for their coursework and research projects. This paper describes our first generation solution using FreeBSD's "jail" functionality to emulate many FreeBSD hosts on a small handful of physical machines. Our primary constraint is to minimise the incremental infastructure cost to the University. Students access the RULE hosts through pre-existing PC labs scattered around campus and 802.11-equipped ...

Keywords: FreeBSD, IP, Unix, networking, students, teaching, virtual hosts

16 Implementation of a portable software DSM in Java





Yukihiko Sohda, Hidemoto Nakada, Satoshi Matsuoka

June 2001 Proceedings of the 2001 joint ACM-ISCOPE conference on Java Grande Publisher: ACM Press

Full text available: pdf(896.77 KB) Additional Information: full citation, abstract, references, index terms

Rapid commoditization of advanced hardware and progress of networking technology is now making wide area high-performance computing a.k.a. the 'Grid' Computing a reality. Since a Grid will consist of vastly heterogeneous sets of compute nodes, especially commodity clusters, some have articulated the use of Java as a suitable technology to satisfy portability across different machines. Since Java's natural model parallelism is shared memory multithreading, one will have to support distributed ...

17 Performance analysis of TLS Web servers



Cristian Coarfa, Peter Druschel, Dan S. Wallach

February 2006 ACM Transactions on Computer Systems (TOCS), Volume 24 Issue 1

Publisher: ACM Press

Full text available: pdf(743.44 KB) Additional Information: full citation, abstract, references, index terms

TLS is the protocol of choice for securing today's e-commerce and online transactions but adding TLS to a Web server imposes a significant overhead relative to an insecure Web server on the same platform. We perform a comprehensive study of the performance costs of TLS. Our methodology is to profile TLS Web servers with trace-driven workloads, replace individual components inside TLS with no-ops, and measure the observed increase in server throughput. We estimate the relative costs of each TLS p ...

Keywords: Internet, RSA accelerator, TLS, e-commerce, secure Web servers

18 <u>Development of processors and communication networks for embedded systems:</u>





System design methodologies for a wireless security processing platform Srivaths Ravi, Anand Raghunathan, Nachiketh Potlapally, Murugan Sankaradass June 2002 Proceedings of the 39th conference on Design automation

**Publisher: ACM Press** 

Full text available: pdf(207.37 KB)

Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, citings, index

Security protocols are critical to enabling the growth of a wide range of wireless data services and applications. However, they impose a high computational burden that is mismatched with the modest processing capabilities and battery resources available on wireless clients. Bridging the security processing gap, while retaining sufficient programmability in order to support a wide range of current and future security protocol standards, requires the use of novel system architectures and design m ...

Keywords: 3DES, AES, DES, IPSec, RSA, SSL, decryption, design methodology, embedded system, encryption, handset, performance, platform, security, security processing, system architecture, wireless

19 Scalable Networked Information Processing Environment (SNIPE)

Graham E Fagg, Keith Moore, Jack J Dongarra, Al Geist

November 1997 Proceedings of the 1997 ACM/IEEE conference on Supercomputing (CDROM)

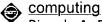
Publisher: ACM Press

Full text available: pdf(77.42 KB) Additional Information: full citation, abstract, references, citings

SNIPE is a metacomputing system that aims to provide a reliable, secure, fault-tolerant environment for long-term distributed computing applications and data stores across the global InterNet. This system combines global naming and replication of both processing and data to support large scale information processing applications leading to better availablity and reliability than currently available with typical cluster computing and/or distributed computer environments.

**Keywords**: MetaComputing, RCDS, SNIPE, reliable, scalable, secure

20 Service infastructure and network management: MobiDesk: mobile virtual desktop



Ricardo A. Baratto, Shaya Potter, Gong Su, Jason Nieh

September 2004 Proceedings of the 10th annual international conference on Mobile computing and networking

Publisher: ACM Press

Full text available: 📆 pdf(580.39 KB) Additional Information: full citation, abstract, references, index terms

We present MobiDesk, a mobile virtual desktop computing hosting infrastructure that leverages continued improvements in network speed, cost, and ubiquity to address the complexity, cost, and mobility limitations of today's personal computing infrastructure. MobiDesk transparently virtualizes a user's computing session by abstracting underlying system resources in three key areas: display, operating system, and network. It provides a thin virtualization layer that decouples a user's computing ses ...

**Keywords**: computer utility, network mobility, on-demand computing, process migration, thin-client computing, virtualization

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